JAN 2 1 2005

Serial No.: 10/053,934
Title: Vibration-Damped Push-Pin Assembly for Disk Drive Servo Writing Inventor(s): GUO ET AL.
Docket No.: 3123-412

James L. Johnson

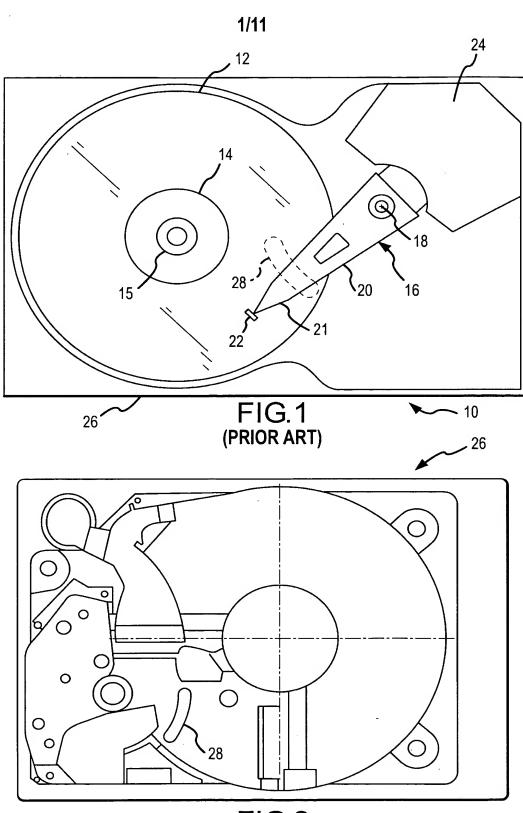
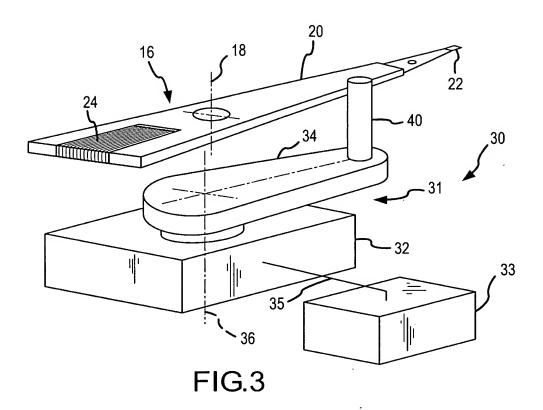


FIG.2 (PRIOR ART)

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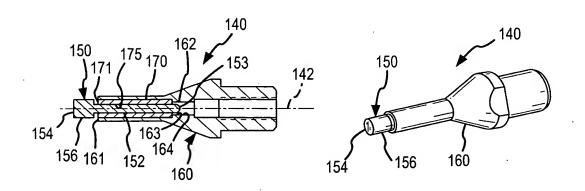


FIG.5

FIG.4

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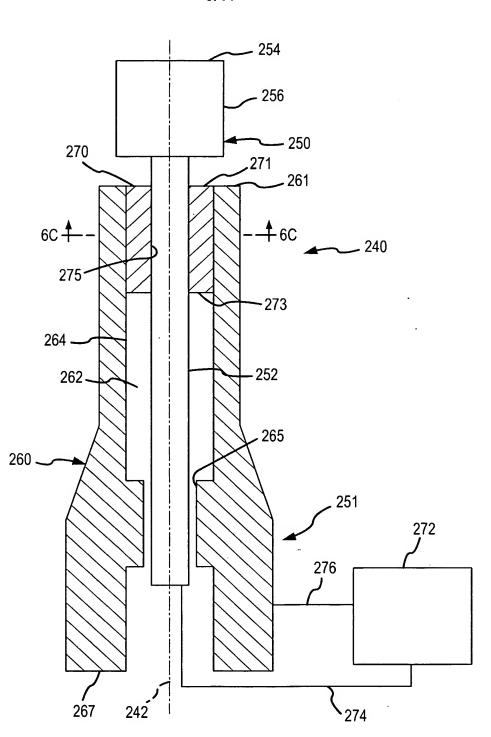


FIG.6A

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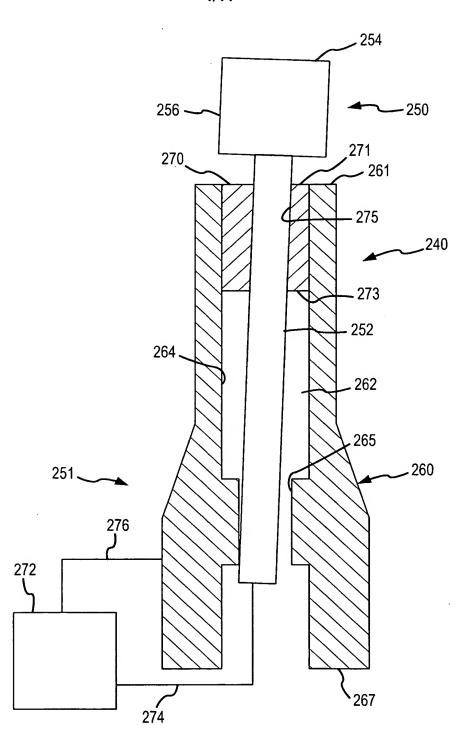


FIG.6B

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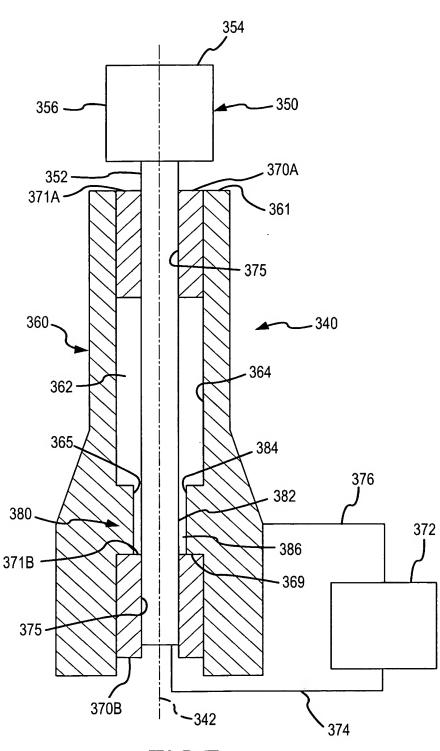


FIG.7

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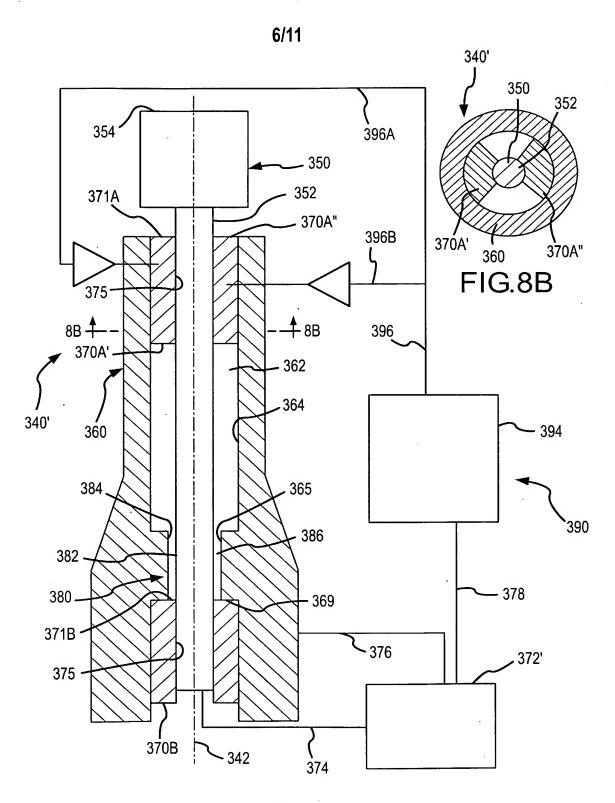


FIG.8A

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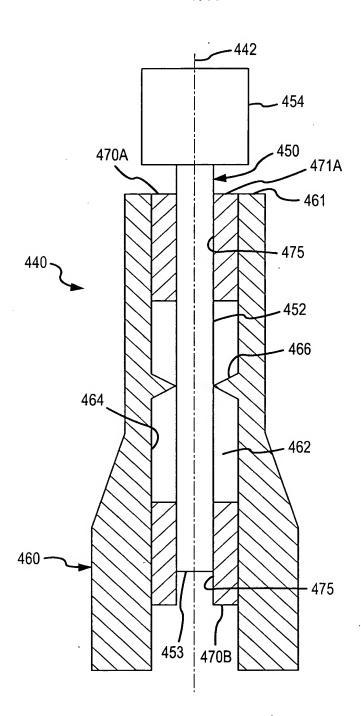


FIG.9

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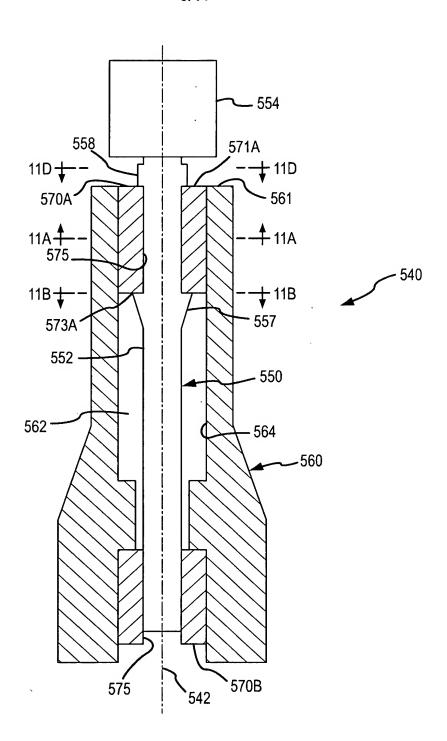


FIG.10

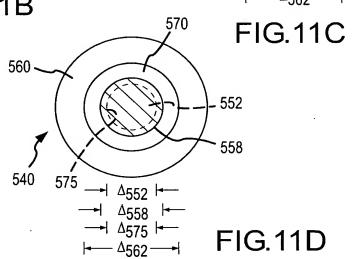
Serial No.: 10/053,934 Title: Vibration-Damped Push-Pin Assembly for Disk Drive Servo Writing Inventor(s): GUO ET AL. Docket No.: 3123-412 (701) 293-7680 James L. Johnson 9/11 262 270 240 562 252 570A 540 560 -552 575 - ∆262 <del>-</del> → ∆<sub>275</sub> → FIG.6C 562 FIG.11A 540' 562 552 560 552 557 557' <sup>∆</sup>552 <sup>∆</sup>557 562 △575 -△552 -- ∆562 <del>----</del>-l △557' -→ ∆575 <del>|</del> — ∆<sub>562</sub>—⊸l FIG.11B 570 FIG.11C 560 -552

260 -

275

560

540

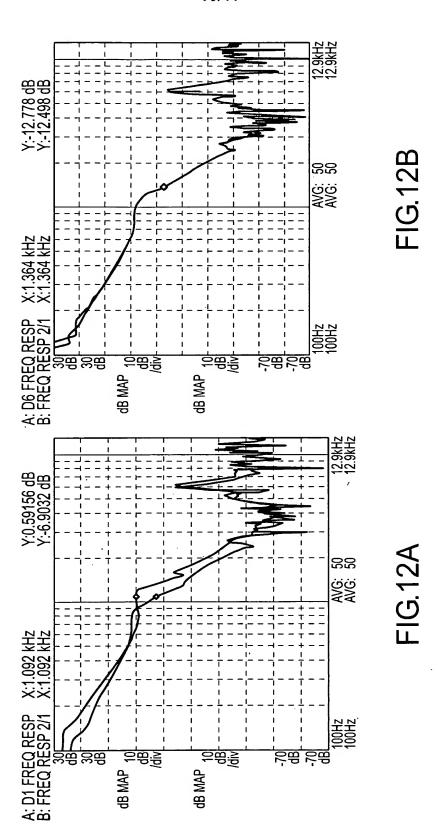


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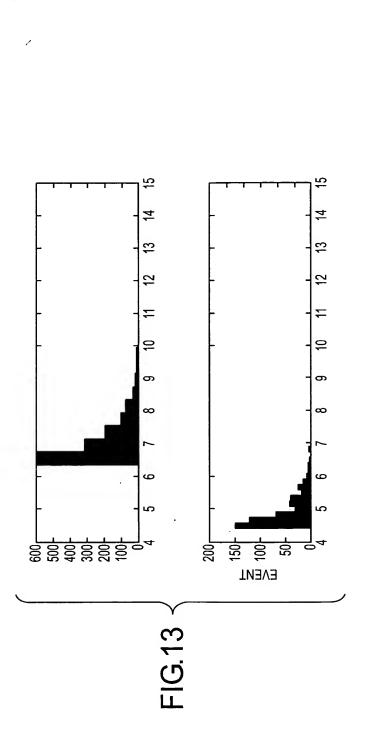
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	DRIVE 1	DRIVE 2	DRIVE 3	DRIVE 4	DRIVE 5
OLD PUSH-PIN	3.35	2.45	1.75	2.36	2.4
NEW PUSH-PIN	3.01	1.80	1.11	2.17	2.09